Qsee®
simplicity - quality - technology

Quick Start Guide

QC Series Digital Network Video Recorders (NVR)

QC SERIES

For more information about your new system, look for "QC" on our website or in our online support materials at www.q-see.com/support

IMPORTANT! This walkthrough will allow you to test your cameras and connections before you mount them.

Before You Get Started

A: Gather Your Components.

You will need:

1. An HDMI monitor, 19" or larger VGA PC monitor and VGA cable OR a television of any size.
2. A surge protector
   We **STRONGLY** recommend that you use one that has the following specifications:
   - UL-1449 Rated
   - Clamping voltage of 330 or lower
   - Joule rating of at least 400
   - Response time of 10 nanoseconds or less
3. A power screw driver/drill to mount your cameras.

B: Unpack the box...

Check the contents against the "What's in the Box" list that was packed at the top of your product. If you notice any damage or missing components, please contact Q-See Customer Support at www.Q-See.com/Support

Your NVR can be controlled using the included USB mouse, remote control or the function keys on the front of the unit. For the purposes of this guide, we will be giving instructions using the mouse. Because this guide covers several models in the QC series of NVRs, components in photos may not exactly match those on your particular model.

Be sure to register your product!
Visit www.Q-See.com,
click SUPPORT
and then select the online registration form.

Complete the product registration form to receive warranty/technical support benefits and to be notified of product updates and free downloadable firmware updates to your NVR.

Note: This poster is intended to help you get your Q-See security system up and running. There are many additional features which can be customized to your specific needs. More information and instructions are available in the User Manual incuded on the CD that came with your system or available for download from our website at www.Q-See.com.

For information on how to configure your system for remote monitoring on the Internet or on your smartphone, please refer to the Remote Monitoring Guide also included on the accompanying CD.

Connect the Devices

STEP 1 Connect to a Monitor or Television

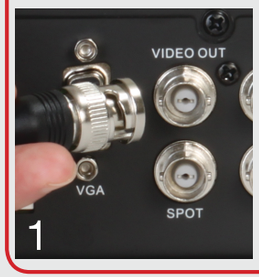
OPTION A:
Connecting a VGA PC Monitor

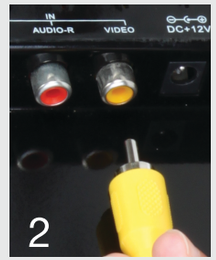
1. Plug the VGA cable into the port marked “VGA” on the back of the NVR.
2. Plug the other end of the VGA cable into the similar port on the back of the monitor.
3. Plug the monitor’s power cable into the surge protector.

OPTION B:
Connecting a Television

1. Connect the BNC-to-RCA cable to the “Video Out” port on the back of the NVR.
2. Plug the RCA end into the “Video In” port on the television.
3. Plug the television’s power cable into a surge protector.

If you do not see an image, check the Imput setting on the TV.

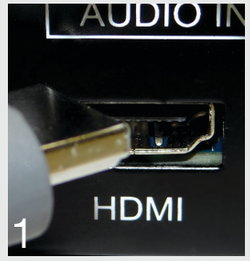




OPTION C:
Connecting a HDMI Television (for NVRs equipped with an HDMI port)

1. Plug an HDMI cable into the “HDMI” port on the back of the NVR.
2. Plug the other end into the “HDMI” port on the television.
3. Plug the television’s power cable into a surge protector.

If you do not see an image, check the Imput setting on the TV.



STEP 2 Connect Mouse

Plug the mouse into the port labled “USB” on the rear of the NVR.

NOTE: We recommend reserving the USB port on the front of the NVR for use in backing up video files.

STEP 3 Turning on the NVR

1. Connect the 12V power adapter to the NVR power port on the right side of the NVR.
2. Connect the 48V power adapter to the power port on the left side of the NVR next to the POE port.

The power supplies will be labelled and the power jacks will only fit easily into the proper port.

3. Connect the power cables to the power adapters.

4a. Plug the power cables into a surge protector

b. If your model has a power switch on the rear panel, use it to turn on the NVR.

You will hear a beep as the NVR powers up.

Initial Set Up

IMPORTANT! You must follow these steps to enter the current date and time in order to effectively use the video search function described at the end of this guide.

Your NVR features a Startup Wizard that will guide you through the initial setup process including connecting your system to your network and the Internet. This Wizard should only be run during initial setup and should be turned off once you've completed setup.

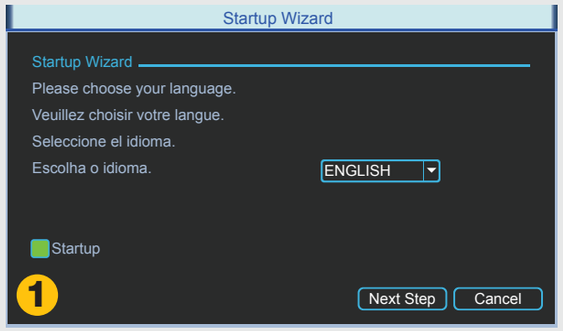
STEP 4 Startup Wizard

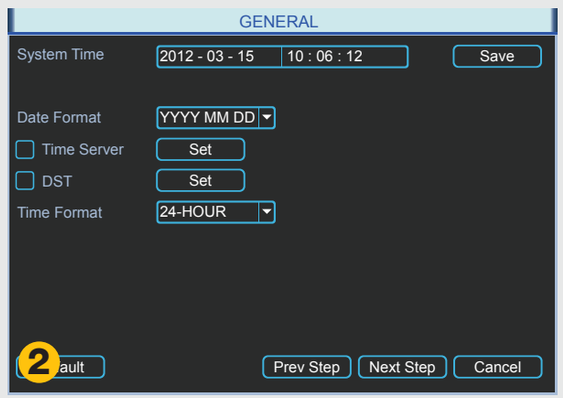
1. The Startup Wizard will launch once your NVR has booted up. Choose the language you wish the NVR to use from the pull-down menu.
   If you change the language, the NVR will restart allowing you to continue using the wizard in your desired language.
   You can click on the box next to **Startup** to prevent the wizard from launching the next time the NVR boots up. Click **Next Step** to continue.

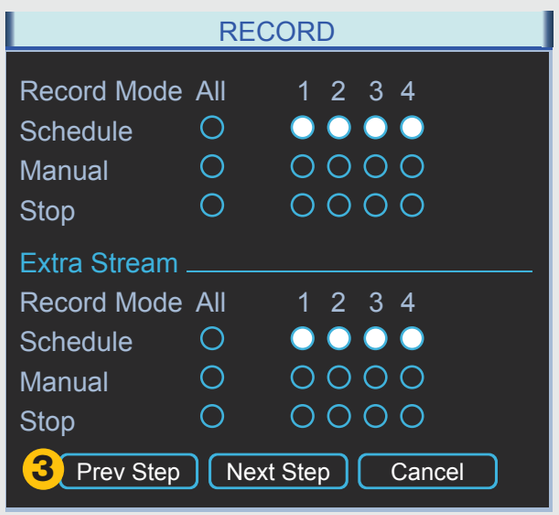
2. Set the current date and time, along with your preferred format for displaying dates (day, month or year first). You should also select your time zone along with whether it is Daylight Savings Time and whether the NVR will use the 24-hour method or the conventional AM/PM mode for noting time. Enabling Time Server allows the NVR to check a network server to maintain accurate time.

3. The next window shows the recording status of all the channels on both the main stream and the sub stream which is used by computers and mobile devices. You do not need to adjust these settings at this time as your system is pre-configured to record whenever a camera detects motion.

4. Click **Next Step** to to get to the Network Setup explanation window.You should ensure that your NVR is properly connected to your router using an Ethernet or Network cable before continuing.
   It is not recommended to connect the NVR to a network hub, but rather directly to the router that connects your system to the Internet.
   In most cases, the router will have a light that flashes when it detects a device properly connected to that port.
   When you are ready, click **Next Step** to allow your system to connect to your network.







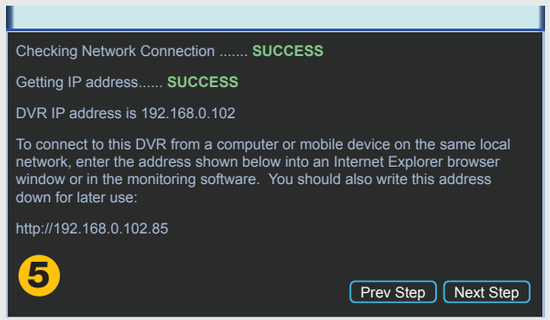
5. The NVR will attempt to connect to your network's router. If it is successful, it will display your LAN (Local Area Network) address. This is the address which you will use when accessing the NVR from a computer or mobile device on the same network (ie; within the same building as the NVR).
   If the attempt is unsuccessful, ensure that your NVR is properly connected before clicking on **Prev. Step** to try again.

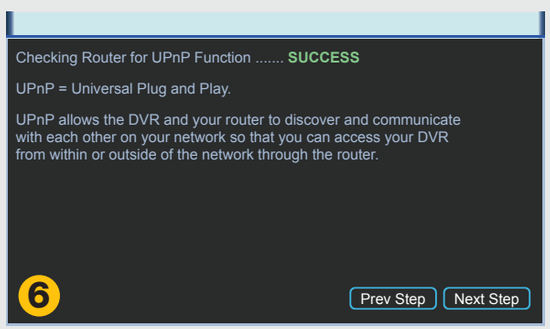
6. Next, your NVR will attempt to establish connectivity to the Internet through your router using the UPnP protocol. Most routers have this functionality.
   NOTE: 2Wire brand routers do not offer UPnP and you will need to consult the **Networking Guide** poster to connect your NVR to the Internet.
   If you experience difficulties, please consult your router's manual to ensure that the UPnP functionality is available and is enabled on your router. Once you have adjusted your settings, you may click on **Prev. Step** to go back and try again.
   You may get an error message if you attempt to run the wizard a second time after a successful connection.

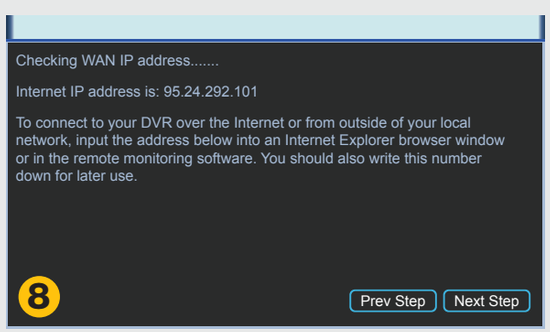
7. If it is able to successfully communicate with the router through UPnP, the NVR will access the ports which you will use to control and view the system over the Internet.

8. The NVR will also determine its Internet or WAN (Wide Area Network) address. This is the IP address which you will enter into a browser window or remote monitoring program when away from your network.

9. When completed, you can close the wizard.


Checking Network Connection ..... SUCCESS
Getting IP address..... SUCCESS
DVR IP address is 192.168.0.102
To connect to this DVR from a computer or mobile device on the same local network, enter the address shown below into an Internet Explorer browser window or in the monitoring software. You should also write this address down for later use:
http://192.168.0.102.85
5
Prev Step
Next Step


Checking Router for UPnP Function ..... SUCCESS
UPnP = Universal Plug and Play.
UPnP allows the DVR and your router to discover and communicate with each other on your network so that you can access your DVR from within or outside of the network through the router.
6
Prev Step
Next Step


Checking WAN IP address.....
Internet IP address is: 95.24.292.101
To connect to your DVR over the Internet or from outside of your local network, input the address below into an Internet Explorer browser window or in the remote monitoring software. You should also write this number down for later use.
8
Prev Step
Next Step

Write down your network addresses:

Local Address:_____

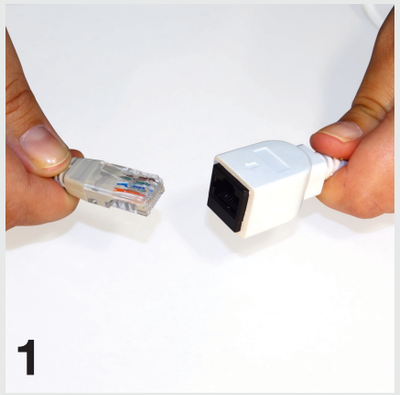
Internet IP Address: _____

Camera Set Up

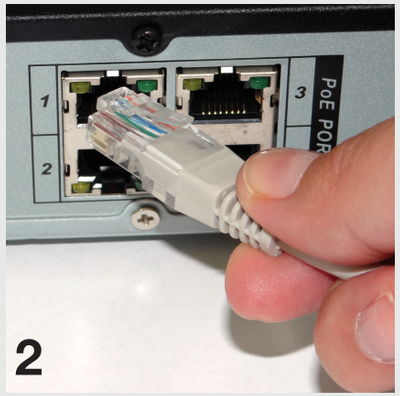
IMPORTANT! If your bundle came with specialty cameras, such as a PTZ, please consult the instructions for that camera first.

STEP 5 Connecting the Cameras

1. Connect one of the long Ethernet cables to the socket on the wire leading from the camera.



2. Plug the other end of the Ethernet cable into any of the Power over Ethernet (PoE) ports on the back of the NVR.
3. Repeat for additional cameras.



There will be a delay of a few seconds while the NVR communicates with the cameras before their video stream appears. Cameras will appear on screen in the order that they are connected, regardless of which port on the PoE block they are plugged into.

Cameras not directly connected to the NVR through the PoE ports will require their own power supply (available separately). Please consult the User Manual or Remote Monitoring Guide for cameras connecting to the NVR through a local network or through the Internet, respectively.

INSTALLING YOUR CAMERAS

When installing your cameras, it is important to select a proper site not only for field of view, but for other considerations as well. The optimal location for your camera will depend on your unique circumstances. As a general rule, the locations highlighted in green in the picture to the right indicate the best locations to mount your cameras, but you should also take into consideration:

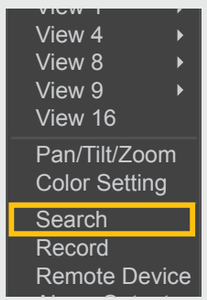
- Distance from NVR.
- Proximity to high voltage wires or other sources of electrical interference.
- Camera should be out of reach to avoid damage.
- Avoid direct exposure to weather.
- Do not place camera behind a window.

Operation

STEP 6 Login

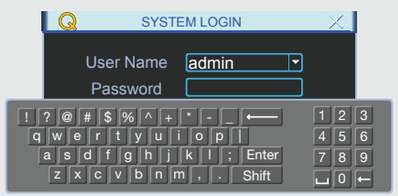
Before you can access any of the NVR's features, you must first log in.

1. Right-click the mouse anywhere on the screen to bring up the **Shortcut Menu**.
2. In the next step you will be searching for video, so select Search at this time. This will bring up the login screen.



User Name: *admin*
Password: *admin*

3. To enter numbers or characters click the appropriate field and a virtual keyboard with appear.



4. Input the required password and hit the **ENTER** key to proceed.

Refer to the **User's Guide** if you wish to change this password at a later time.

STEP 7 Playback and Search

1. Open the **Video Search** window using the **Shortcut Menu** as described in Step 6.
2. Your NVR is configured to record whenever motion is detected. Dates with recorded video will be highlighted in blue.
3. To view these recordings:
   - **a**. Click on the desired date in the calendar
   - **b**. Blocks indicating the times of recorded videos will be displayed in the **Video Indicator and Progress Bar** at the bottom of the screen. Videos will be color-coded based on their recording mode. Double clicking on a recording block will start the playback.
   - **c**. You can adjust the playback position to anywhere in the clip or to another clip by clicking with the cursor. You can adjust the scale of the time bar for a more precise selection by clicking the **Time Scale Button** (**c**) to "zoom in" down to the minute level.